March 15, 2018

CITY OF JOPLIN
SENIOR CENTER PHASE 2
FF&E
CDBG-DR GRANT NO. B-12-MT-29-0001

Addendum No. 01

Contract Bidders:

Enclosed is Addendum No. 1 for the above referenced project. Please execute, attach, and submit this Addendum No. 1 with your bid.

Bates Architects

James Damron

_____
Company Name

_____
Signature

_____
Printed Name

CITY OF JOPLIN
SENIOR CENTER PHASE 2
FF&E
CDBG-DR GRANT NO. B-12-MT-29-0001

Addendum No. 01

Proposal Items:

Question #1: Who will be bidding the scope of the motorized shades? Currently, this scope is in the Low Voltage RFP.

Area Agency Response: The motorized shades are to be remove from the Low Voltage RFP, and will be bid with the FF&E bid package.

Question #2: Please provide specifications for the motorized shades.

Area Agency Response: Please see specifications below:

SECTION 122413 - ROLLER WINDOW SHADES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Motor-operated roller shades [with single rollers] [with dual rollers] [with coupled rollers] [with dual coupled rollers].

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include styles, material descriptions, construction details, dimensions of individual components and profiles, features, finishes, and operating instructions for roller shades.

B. Shop Drawings: Show fabrication and installation details for roller shades, including shade materials, orientation to rollers, and seam and batten locations.

1. Motor-Operated Shades: Include details of installation and diagrams for power, signal, and control wiring. C. Samples: For each exposed product and for each color and texture specified, 10 inches (250 mm) long.

D. Samples for Initial Selection: For each type and color of fabric band material.

1. Include Samples of accessories involving color selection.

E. Samples for Verification: For each type of roller shade.

1. Shade Material: Not less than 6 inches (152 mm) square. Mark inside face of material if applicable.
2. Roller Shade: Full-size operating unit, not less than 16 inches (400 mm) wide by 36 inches (900 mm) long for each type of roller shade indicated.
3. Installation Accessories: Full-size unit, not less than 6 inches (152 mm) long. F. Roller-Shade Schedule: Use same designations indicated on Drawings.

1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer.

B. Product Certificates: For each type of fabric band material, signed by product manufacturer.

C. Product Test Reports: For each type of fabric band material, for tests performed by a qualified testing agency.

1.6 CLOSEOUT SUBMITTALS

A. Maintenance Data: For roller shades to include in maintenance manuals.

1.7 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Roller Shades: Full-size units equal to 5 percent of quantity installed for each size, color, and fabric band material indicated, but no fewer than two units.

1.8 QUALITY ASSURANCE

A. Installer Qualifications: Fabricator of products.

1. Installer shall be qualified to install specified products by prior experience and approved by manufacturer.
2. Installer shall be responsible for acceptable installation in accordance with manufacturer's instructions.

B. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution.

1. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
2. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.9 DELIVERY, STORAGE, AND HANDLING

A. Deliver roller shades in factory packages, marked with manufacturer, product name, and location of installation using same designations indicated on Drawings.

1.10 FIELD CONDITIONS

A. Environmental Limitations: Do not install roller shades until construction and finish work in spaces, including painting, is complete and dry and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

B. Field Measurements: Where roller shades are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Allow clearances for operating hardware of operable glazed units through entire operating range. Notify Architect of installation conditions that vary from Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Source Limitations: Obtain roller shades from single source from single manufacturer.

2.2 MOTOR-OPERATED, SINGLE-ROLLER SHADES

A. Motorized Operating System: Provide factory-assembled, shade-operator system of size and capacity and with features, characteristics, and accessories suitable for conditions indicated, complete with electric motor and factory-prewired motor controls, power disconnect switch, enclosures protecting controls and operating parts, and accessories required for reliable operation without malfunction. Coordinate operator wiring requirements and electrical characteristics with building electrical system.

1. All motors to be 100 percent tested in the final product by manufacturer.

2. Electrical Components: Comply with UL 325 tip-to-tip, CSA, and cUL standards.

A. Motor & Controls Manufacturer's Qualifications:
   1. Minimum of 10 years experience manufacturing tubular motors and natural light control systems.
   2. Motor manufacturer must be ISO 9001 certified.
   3. Minimum 100 million motors manufactured.

B. Quality Control for Motors:
   1. Motors shall have a life expectancy of 10 years or more.
   2. Motors shall be tested and approved by the major global safety testing laboratories UL, CUL, TUV, ETL, CE, VDE.
   3. Motor manufacturer shall test 100 percent of motors for defects in wiring and operation before leaving factory 4. Motors must undergo an extensive quality assurance process including testing in:

a. Assembled motor test design specifications when installed in various end products. b. Product installation testing.

c. Product safety tests.
d. Product performance tests.
e. Life cycle testing for endurance and reliability.
f. Embedded software tests.
g. Heat and fire resistance tests.
h. Water and oxidation resistance tests.
i. Climate tests (temperature and humidity).
j. Acoustic tests (sound level and quality).
k. Radio frequency tests (transmission and reception).
l. Electromechanical capability (CEM).

3. Electric Motor: RTS - Radio Frequency Controlled motor tubular, enclosed in roller.

a. RTS Motors ALTUS RTS Electric Drive:

1) To be fitted inside aluminum roller tube with appropriate adaptors for smooth operation. Tubular, asynchronous operator, built in reversible capacitor, brushless, 120V AC, 60 Hz, single phase motor, thermally protected, permanently lubricated gearbox, maintenance free.
2) Upper and lower limits and intermediate set point programmed by remote control.
3) Solenoid disc brake automatically engages when power is cut.
4) Unit speed shall range from 20 to 28 rpm and draw between 0.7 to 2.1 amp as required by design.
5) Equipped with [18 in (457 mm) motor lead with quick disconnect] [24 ft (7.3 m) motor lead with quick disconnect] [3 ft (0.9 m) motor lead with three prong plug] [6 ft (1.8 m) motor lead with three prong plug] [24 ft (7.3 m) motor lead with three prong plug] of power cord].
6) Electrical components are tested to withstand a 15 Kilo Volt electrostatic discharge without damage or loss of memory.
7) Control Options:
    a) RTS radio switch powered by 3V lithium battery. Radio signal range up to 65 ft (19.8 m). Single channel in White, Ivory orBlack color.
    b) RTS transmitter powered by 3V lithium battery. Radio signal range up to 65 ft (19.8 m). Single channel in Black color.
    c) CHRONIS Comfort Timer, powered by 3V lithium battery. Radio signal range up to 65 ft (19.8 m). LCD display for time and settings.
    d) SUNIS Sun Sensor: Radio signal range up to 65 ft (19.8 m). Single channel only, 5 minute sunny delay.

B. Rollers: Extruded-aluminum tubes engineered with a channel to accept fabric spline. The diameter and wall thickness to be determined by manufacturer based on fabric selection and shade size to provide minimal deflection and optimal performance.

1. Motor Drive-End: Star-head motor attached and locked into place by spring ring.
2. Roller Drive-End Location: Right side of shade.
3. Direction of Fabric Band Roll: Regular, from back of roller.
4. Fabric Band-to-Roller Attachment: Removable spline system shall consist of Z-shaped rigid PVC spline heat-welded to the shade fabric and inserted into an engineered channel on the roller tube. The spline system allows for adjustability on-site and ease in changing fabric bands in the field.
5. Idler: Retractable, spring-loaded steel rod, mounted to six-sided idle-end bracket with sealed ball bearings for quiet operation.

C. Mounting Hardware: Brackets or end caps, corrosion resistant and compatible with roller assembly, operating mechanism, installation accessories, and mounting location and conditions indicated. Unpainted brackets are not acceptable.

1. Idle-ends must contain ball bearing surfaces to reduce friction and noise during shade operation.
2. Idle-end brackets must provide leveling feature to assure proper tracking of fabric on roller tube.

D. Roller-Coupling Assemblies: Coordinated with operating mechanism and designed to couple up to three inline rollers that are operated by one roller drive-end assembly. Intermediate brackets must contain ball bearing surfaces to reduce friction and noise during shade operation. Removable tube connectors are not acceptable. Coupling assembly must contain drive-end and receiving ends mounted into the roller tube. Drive-end units must be six-sided steel rod that extends and retracts through intermediate brackets into receiver units. Intermediate brackets must provide leveling feature to ensure proper tracking of fabric on roller tube. E. Fabric Bands:

1. Fabric Band Material: Light-filtering fabric, Light-blocking fabric, PVC free.
2. Fabric Band Bottom (Hem) Bar: Extruded aluminum.

a. Type: Hem bars to be extruded aluminum in weight sufficient for proper shade operation. Enclosed in heat-sealed pocket of fabric band material.

b. Color and Finish: As selected by Architect from manufacturer's full range. F. Installation Accessories:

1. Front Fascia: Aluminum extrusion that conceals front and underside of roller and operating mechanism and attaches to roller end brackets without exposed fasteners. a. Shape: L-shaped.

b. Height: Manufacturer's standard height required to conceal roller and fabric band when shade is fully open, but not less than 4.25 inches (108 mm).

c. Color and Finish: As selected from manufacturer's full range.

2. Exposed Pocket: Rectangular, extruded aluminum 3-sided enclosure covering front, top and back, with optional end caps, and optional removable bottom closure plate.

a. Height: 4.75 inches (121 mm) by 5 inches (127 mm).

3 End cap: To cover exposed ends of pockets.

4 Recessed Shade Pocket: Rectangular, extruded aluminum enclosure designed for recessed ceiling installation; with front, top, and back formed as one piece, optional end caps, and optional removable bottom closure plate.

a. Height: 4.75 inches (121 mm) by 5 inches (127 mm) with 0.875 inch (22 mm) acoustical support.

5 Closure Plate and Closure Mount: Removable 2 inch (51 mm) or 3 inch (76 mm) closure plate designed for installation at bottom of site-constructed ceiling recess or pocket and for snap-in attachment to closure mount without fasteners. a. Closure-Plate Width: 2 inches (51 mm).

b. Closure Mount: With acoustical tile support.

c. Color and Finish: As selected from manufacturer's full range.

6 Blackout Channels: Extruded aluminum channels with two piece snap design to conceal fasteners. Provide synthetic pile inserts designed to eliminate light gaps at sides of shades.

a. Side Size: 2 inch (51 mm) by 1 inch (25 mm) to eliminate light gaps at sides of shades.

b. Center Size: 4 inch (102 mm) by 1 inch (25 mm) to eliminate light gaps between adjoining shades.

c. Sill Size: 2 inch (51 mm) by 1 inch (25 mm) to eliminate light gaps at bottom edge of shades.

7 Installation Accessories Color and Finish: As selected from manufacturer's full range.

2.3 FABRIC BAND MATERIALS

A. Fabric Band Material Flame-Resistance Rating: Comply with NFPA 701. Testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

B. Refer to Architectural Drawings for window sizes, heights, details, etc. No seams in shade.

C. Shade to cover multiple windows where possible, submit shade layout with bid.

D. Vestibule-101

1. Standard Motorized Roller Shades 2. Type: PVC-coated polyester, polyester.

3. Weave: 2x2 Thin Basketweave.

4. Roll Width: to be field measured.

5. Orientation on Fiber Band: Vertical.

6. Openness Factor: 3%

7. Features: Washable and Antistatic treatment.

8. Fabric Color: Ebony/Chocolate or approved equal. Color sample to be submitted for approval.

9. Fascia Finish: Bronze Anodized (no side, sill or center channels).

10. Fabric wrapped hem bar.
11. Install full height from window sill to finished ceiling; ceiling mount.

E. Circulation-102

11. Standard Motorized Roller Shades 12. Type: PVC-coated polyester, polyester.

13. Weave: 2x2 Thin Basketweave.
14. Roll Width: to be field measured.
15. Orientation on Fiber Band: Vertical.
16. Openness Factor: 3%
17. Features: Washable and Antistatic treatment.
18. Fabric Color: Ebony/Chocolate or approved equal. Color sample to be submitted for approval.
19. Fascia Finish: Bronze Anodized (no side, sill or center channels).
20. Fabric wrapped hem bar.
21. At West Curtain Wall – install to 9'-9" and mounter to vertical window mullions.
22. At South Curtain Wall – install to 8'-0" at break in curtain wall, ceiling mounted.

F. Billiards-107

1. Standard Motorized Roller Shades
2. Blackout Fabric, Light-Blocking Fabric: Opaque fabric, stain and fade resistant.
3. Type: Blackout, Polyester, PVC free.
4. Roll Width: to be field measured.
5. Orientation of Fabric Band: Vertical.
6. Features: Washable and Antistatic treatment.
7. Fabric Color: Tan, color sample to be submitted for approval.
8. Fascia Finish: Bronze Anodized.
9. Blackout Side, Sill and Center Channels Finish: Bronze Anodized.
10. Install full height from window sill to finished ceiling; ceiling mount.

G. Office-117

1. Standard Manual Roller Shades.
2. Type: PVC-coated polyester, polyester.
3. Weave 2x2 Thin Basketweave.

4. Roll Width: to be field measured.
5. Roll Tube Diameter: 1.5” (increase as/if necessary for shade size)
6. Orientation on Fiber Band: Vertical.
7. Orientation Factor: 3%
8. Features: Washable and Antistatic treatment.
9. Fabric Color: Ebony/Chocolate or approved equal. Color sample to be submitted for approval.
10. Fascia Finish: Bronze Anodized (no side, sill or center channels).
11. Fabric wrapped hem bar.
12. Clutch: Minimum R16
13. Clutch Chain Finish: Stainless

2.5 ROLLER-SHADE FABRICATION

A. Product Safety Standard: Fabricate roller shades to comply with ANSI - WCMA A 100.1, including requirements for flexible, chain-loop devices; lead content of components; and warning labels.

B. Unit Sizes: Fabricate units in sizes to fill window and other openings as follows, measured at 74 deg F (23 deg C):

1. Between (Inside) Jamb Installation: Width equal to jamb-to-jamb dimension of opening in which shade is installed, plus or minus 1/8 inch (3.1 mm). Length equal to head-to-sill or -floor dimension of opening in which shade is installed less 1/4 inch (6 mm), plus or minus 1/8 inch (3.1 mm).
2. Outside of Jamb Installation: Width and length as indicated, with terminations between shades of end-to-end installations at centerlines of mullion or other defined vertical separations between openings.

C. Fabric Band Fabrication: Fabricate fabric bands without battens or seams to extent possible except as follows:

1. Railroaded Materials: Railroad material where material roll width is less than the required width of fabric band and where indicated. Provide battens and seams as required by railroaded material to produce fabric bands with full roll-width panel(s) plus, if required, one partial roll-width panel located at top of fabric band.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, operational clearances, accurate locations of connections to building electrical system and other conditions affecting performance of the Work.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 ROLLER-SHADE INSTALLATION

A. Install roller shades level, plumb, and aligned with adjacent units according to manufacturer's written instructions.

1. Opaque Fabric Bands: Located so fabric band is not closer than 2 inches (51 mm) to interior face of glass. Allow clearances for window operation hardware.

B. Electrical Connections: Connect motor-operated roller shades to building electrical system.

3.3 ADJUSTING

A. Adjust and balance roller shades to operate smoothly, easily, safely, and free from binding or malfunction throughout entire operational range.

3.4 CLEANING AND PROTECTION

A. Clean roller-shade surfaces after installation, according to manufacturer's written instructions.

B. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer, ensuring that roller shades are without damage or deterioration at time of Substantial Completion.

C. Replace damaged roller shades that cannot be repaired, in a manner approved by Architect, before time of Substantial Completion.

3.5 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain motoroperated roller shades.

END OF SECTION 122413

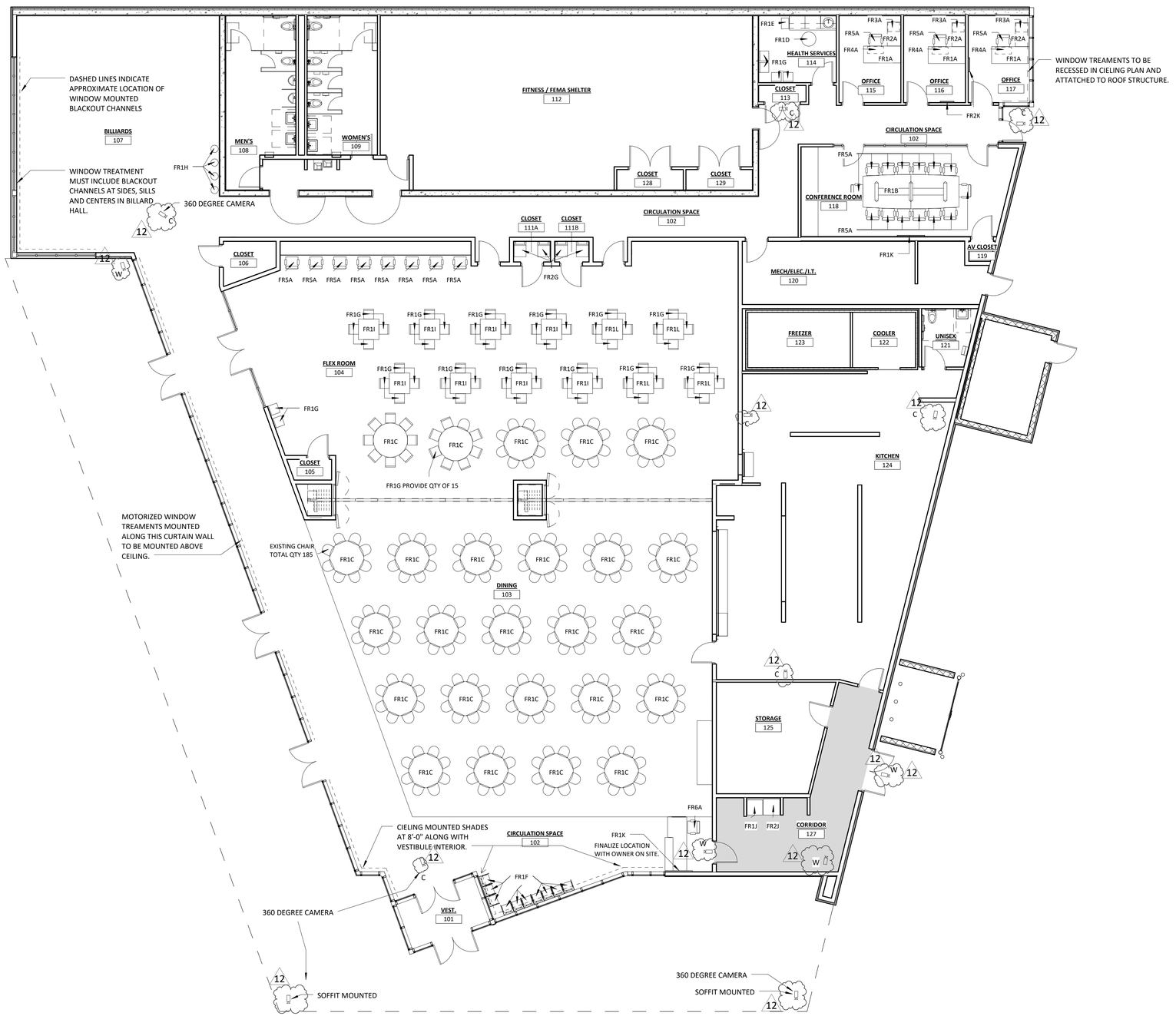
Question #3: Please provide FFE plan

Area Agency Response: Please see FFE plan as separate attachment

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ID1.03 GENERAL NOTES

1 PROPOSED LOCATIONS FOR SECURITY CAMERAS INCLUDE A "W" TO INDICATED A WALL MOUNTED FIXTURE, OR A "C" TO INDICATED A CEILING MOUNTED FIXTURE.



1 ID1.03 **FURNITURE PLAN**
1/8" = 1'-0"

BIM 360://16061 - Joplin Senior Citizen Center/16061 JOPLIN SENIOR CENTER_CENTRAL_R16.rvt

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Contractor is responsible for confirming and correlating dimensions at job site; the Architect will not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the project.

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CITY OF JOPLIN SENIOR CENTER
CITY OF JOPLIN, MO

CONSTRUCTION DOCUMENTS
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STATE OF MISSOURI
RYAN MICHAEL FAUST
NUMBER A-2011002762
ARCHITECT

6/06/2017

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REVISIONS

NO.	DATE	DESCRIPTION
12	01/08/18	ASI 008

PROJECT NUMBER: 16061
RELEASE DATE: 6/06/2017

FFE - FURNITURE PLAN

ID1.03